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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/665,111	09/16/2003	Dolores Schendel	1406/468	6128
25297 7590 08/16/2011 JENKINS, WILSON, TAYLOR & HUNT, P. A.			EXAMINER	
3100 Tower Blvd.			CANELLA, KAREN A	
Suite 1200 DURHAM, NC 27707		ART UNIT	PAPER NUMBER	
		1643		
			MAIL DATE	DELIVERY MODE
			08/16/2011	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)
	10/665,111	SCHENDEL ET AL.
Office Action Summary	Examiner	Art Unit
	KAREN CANELLA	1643
The MAILING DATE of this communicatio Period for Reply	n appears on the cover sheet w	ith the correspondence address
A SHORTENED STATUTORY PERIOD FOR R WHICHEVER IS LONGER, FROM THE MAILIN - Extensions of time may be available under the provisions of 37 C after SIX (6) MONTHS from the mailing date of this communicatic - If NO period for reply is specified above, the maximum statutory p - Failure to reply within the set or extended period for reply will, by Any reply received by the Office later than three months after the earned patent term adjustment. See 37 CFR 1.704(b).	NG DATE OF THIS COMMUNI SFR 1.136(a). In no event, however, may a on. period will apply and will expire SIX (6) MON statute, cause the application to become A	CATION. reply be timely filed NTHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).
Status		
 Responsive to communication(s) filed on 2a) ☐ This action is FINAL. 2b) ☐ Since this application is in condition for al closed in accordance with the practice un 	This action is non-final. llowance except for formal mat	•
Disposition of Claims		
4) ⊠ Claim(s) 23,25,26,33-40,42,44-46 and 50 4a) Of the above claim(s) is/are wit 5) ⊠ Claim(s) 50-53 is/are allowed. 6) ⊠ Claim(s) 23,25,26,33-40,42 and 44-46 is/37) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction a	thdrawn from consideration. are rejected.	cation.
Application Papers		
9) The specification is objected to by the Exa 10) The drawing(s) filed on is/are: a) Applicant may not request that any objection to Replacement drawing sheet(s) including the co 11) The oath or declaration is objected to by the	accepted or b) objected to to the drawing(s) be held in abeyal correction is required if the drawing	nce. See 37 CFR 1.85(a). (s) is objected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for fo a) All b) Some * c) None of: 1. Certified copies of the priority document of the priority document of the priority document of the certified copies of the application from the International B * See the attached detailed Office action for the certified copies of the application from the International B	ments have been received. ments have been received in A e priority documents have been sureau (PCT Rule 17.2(a)).	Application No I received in this National Stage
Attachment(s)		
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-94 Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	18) Paper No(Summary (PTO-413) s)/Mail Date Informal Patent Application

DETAILED ACTION

Claim 24, 41, 47 and 49 have been canceled. Claims 23, 26, 33, 35 and 42 have been amended. Claims 50-53 have been added. Claims 23, 25, 26, 33-40, 42, 44-46, 50-53 are pending and under consideration.

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 23, 25, 26, 33-40, 42, 44-46 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

(A) Claims 23, 26 recite:

introducing proteins and/or peptides, or RNA or DNA or cDNA encoding said proteins and/or peptides into the HLA-haploidentical antigen-presenting cells,

wherein said proteins and/or peptides are overexpressed in tumor cells, or are obtained from autologous tumor cells,

wherein said proteins and/or peptides, or RNA or DNA or cDNA encoding said proteins and/or peptides are obtained from several different tumor cell lines.

Claims 33 and 35 recite:

wherein said proteins and/or peptides are overexpressed in tumor cells, or derived from autologous tumor cells, and

wherein said proteins and/or peptides, or RNA or DNA or cDNA encoding said proteins and/or peptides are obtained from several different tumor cell lines.

It is unclear how proteins and/or peptide, or DNA or cDNA encoding said proteins and/or peptides can be "obtained from autologous tumor cells" or "derived from autologous tumor cells" and fulfill the embodiment of being obtained from several different tumor cell lines.

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(B) It is unclear if the "tumor cells" in claims 25 and 36 is referring to the autologous tumor cells or the tumor cell lines of claims 23 and 35, respectively.

Thus the metes and bounds of claims 23, 25, 26, 33-40, 42, 44-46 are unclear.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

The rejection of claims 23, 25, 26, 33-35, 38-40, 44, 47 and 49 under 35 U.S.C. 102(b) as being anticipated by Rhode et al (U.S. 5,869,270) is maintained for reasons or record.

Rhode et al disclose a method wherein host compatible antigen presenting cells which are haploidentical cells having the same haplotype as that of the subject (column 21, lines 46-54) are transfected with polynucleotides encoding MHC fusion proteins (abstract). Rhodes et al disclose cDNA as a source of proteins or peptides of tumor cells (column 17, lines 19-21) which meets the limitation of proteins and/or peptides over expressed in tumor cells. Rhodes et al disclose that antigen-presenting cells of the invention include dendritic cells (Example 16). Rhodes et al disclose that the invention provides for invoking an immune response in a mammal against a targeted disorder, such as cancer and in particular melanoma (column 23, lines 49-53). The disclosure of Rhodes et al fulfill the specific embodiments of a semi-allogeneic antigen presenting cells because an antigen presenting cell which is haploidentical includes semi-allogeneic antigen presenting cells which inherently possess one syngeneic HLA allele and one allogeneic HLA allele. Rhode et al fulfill the specific embodiments of claims 23 and 35 because the MHC fusion proteins are obtainable from autologous tumor cells in that the non-fused proteins are obtainable from autologous tumor cells in that the non-fused proteins are obtainable from autologous tumor cells in that the non-fused proteins are obtainable from autologous tumor cells.

Claims 50-53 are free of the art.

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Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

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A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to KAREN CANELLA whose telephone number is (571)272-0828. The examiner can normally be reached on 9:30-6:00 M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Misook Yu can be reached on (571)272-0839. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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